

Day : Friday  
Date: 7/14/2006

Time: 07:39:38

**PALM INTRANET**

## Inventor Information for 10/762160

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| <b>Inventor Name</b> | <b>City</b> | <b>State/Country</b> |
| KROLL, MARK W.       | SIMI VALLEY | CALIFORNIA           |

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|------------|----------|---------------|-----------------|-------------------|-----------|
| Appln Info | Contents | Petition Info | Atty/Agent Info | Continuity/Reexam | Foreign I |
|------------|----------|---------------|-----------------|-------------------|-----------|

**Search Another: Application#**   **or Patent#**    
**PCT /**  **/**   **or PG PUBS #**    
**Attorney Docket #**    
**Bar Code #**

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Back to [PALM](#) | [ASSIGNMENT](#) | [OASIS](#) | [Home page](#)

|                         |              |          |    |  |            |  |                                      |
|-------------------------|--------------|----------|----|--|------------|--|--------------------------------------|
| US<br>20060122681<br>A1 | US-<br>PGPUB | 20060608 | 13 | Automatic capture<br>pacing lead   | 607/123    | 607/121                                  | Kroll; Mark<br>W. et al.             |
| US<br>20060100494<br>A1 | US-<br>PGPUB | 20060511 |    | System and method for<br>monitoring blood<br>glucose levels using an<br>implantable medical<br>device  | 600/365    | 600/508;<br>607/22                       | Kroll; Mark<br>W.                    |
| US<br>20050284412<br>A1 | US-<br>PGPUB | 20051229 |    | Domestic animal<br>telephone   | 119/719    |  | Kroll, Mark<br>W.                    |
| US<br>20050261743<br>A1 | US-<br>PGPUB | 20051124 |    | System and method for<br>automated fluid<br>monitoring   | 607/8      |  | Kroll, Mark<br>W.                    |
| US<br>20050229425<br>A1 | US-<br>PGPUB | 20051020 |    | Ambulatory hairdryer   | 34/283     | 34/99                                    | Kroll, Mollie<br>B. et al.           |
| US<br>20050197676<br>A1 | US-<br>PGPUB | 20050908 |    | Electrical cardiac output<br>forcer  | 607/17     |  | Kroll, Kai et<br>al.                 |
| US<br>20050197673<br>A1 | US-<br>PGPUB | 20050908 |    | Left heart implantable<br>cardiac stimulation<br>system with clot<br>prevention and method   | 607/9      |  | Kroll, Mark<br>W.                    |
| US<br>20050168681<br>A1 | US-<br>PGPUB | 20050804 |    | Tan-thru glasses   | 351/44     |  | Kroll, Mark<br>W. et al.             |
| US<br>20050085862<br>A1 | US-<br>PGPUB | 20050421 |    | Implantable cardiac<br>stimulation device<br>including an output<br>circuit that provides<br>arbitrarily shaped<br>defibrillation<br>waveforms | 607/5      |  | Moulder, J.<br>Christopher<br>et al. |
| US<br>20050072429<br>A1 | US-<br>PGPUB | 20050407 |    | Breathing gas<br>therapeutic method and<br>apparatus   | 128/205.27 | 128/202.12;<br>128/204.18;<br>128/205.25 | Kroll, Mark<br>W.                    |
| US<br>20050055900<br>A1 | US-<br>PGPUB | 20050317 |    | Toddler stair safety<br>system   | 52/182     |  | Kroll, Lori<br>C. et al.             |
| US<br>20050004507<br>A1 | US-<br>PGPUB | 20050106 |    | Method and device for<br>treating cancer with<br>electrical therapy in<br>conjunction with<br>chemotherapeutic<br>agents and radiation         | 604/20     |  | Schroeppel,<br>Edward A.<br>et al.   |

|                         |              |          |  |   |            |   |                                    |
|-------------------------|--------------|----------|--|---|------------|---|------------------------------------|
|                         |              |          |  | therapy   |            |   |                                    |
| US<br>20040254618<br>A1 | US-<br>PGPUB | 20041216 |  | Implantable device and<br>method for the electrical<br>treatment of cancer  | 607/74     |   | Schroeppel,<br>Edward A.<br>et al. |
| US<br>20040103553<br>A1 | US-<br>PGPUB | 20040603 |  | Ambulatory hairdryer  | 34/96      | 34/97   | Kroll, Mollie<br>Beth et al.       |
| US<br>20040088012<br>A1 | US-<br>PGPUB | 20040506 |  | Implantable stimulation<br>device with isolating<br>system for minimizing<br>magnetic induction   | 607/9      |   | Kroll, Mark<br>W. et al.           |
| US<br>20040078065<br>A1 | US-<br>PGPUB | 20040422 |  | System and method for<br>monitoring blood<br>glucose levels using an<br>implantable medical<br>device   | 607/60     |   | Kroll, Mark<br>W.                  |
| US<br>20040077962<br>A1 | US-<br>PGPUB | 20040422 |  | System and method for<br>monitoring blood<br>glucose levels using an<br>implantable medical<br>device   | 600/513    |   | Kroll, Mark<br>W.                  |
| US<br>20040073261<br>A1 | US-<br>PGPUB | 20040415 |  | Methods and systems<br>for treating ventricular<br>fibrillation   | 607/5      |   | Kroll, Mark<br>W.                  |
| US<br>20040044373<br>A1 | US-<br>PGPUB | 20040304 |  | Method and apparatus<br>for electrically forcing<br>cardiac output in an<br>arrhythmia patient  | 607/14     |   | Kroll, Kai et<br>al.               |
| US<br>20040039382<br>A1 | US-<br>PGPUB | 20040226 |  | Even temperature linear<br>lesion ablation catheter   | 606/41     |   | Kroll, Mark<br>W. et al.           |
| US<br>20040018845<br>A1 | US-<br>PGPUB | 20040129 |  | Nuisance cell phone<br>locator  | 455/456.1  | 455/404.2;<br>455/422.1;<br>455/427;<br>455/456.2 | Kroll, Mark<br>W.                  |
| US<br>20040010290<br>A1 | US-<br>PGPUB | 20040115 |  | Method and device for<br>treating cancer with<br>electrical therapy in<br>conjunction with<br>chemotherapeutic<br>agents and radiation<br>therapy | 607/3      |   | Schroeppel,<br>Edward A.<br>et al. |
| US<br>20040003815<br>A1 | US-<br>PGPUB | 20040108 |  | Altitude adjustment<br>method and apparatus   | 128/206.21 | 128/205.11  | Kroll, Mark<br>W.                  |
| US                      | US-          | 20030828 |  | Implantable cardioverter  | 320/103    |   | Kroll, Mark                        |

|                         |              |          |  |  |           |                                       |                              |
|-------------------------|--------------|----------|--|--|-----------|---------------------------------------|------------------------------|
| 20030160588<br>A1       | PGPUB        |          |  | defibrillator with switchable power source and patient warning system cardiac device                         |           |                                       | W.                           |
| US<br>20030149453<br>A1 | US-<br>PGPUB | 20030807 |  | System and method for evaluating risk of mortality due to congestive heart failure using physiologic sensors | 607/17    |                                       | Kroll, Mark W. et al.        |
| US<br>20030149367<br>A1 | US-<br>PGPUB | 20030807 |  | System and method for evaluating risk of mortality due to congestive heart failure using physiologic sensors | 600/483   |                                       | Kroll, Mark W. et al.        |
| US<br>20030083719<br>A1 | US-<br>PGPUB | 20030501 |  | Implantable cardiac therapy device with dual chamber can to isolate high-frequency circuitry                 | 607/60    |                                       | Shankar, Balakrishnan et al. |
| US<br>20030069624<br>A1 | US-<br>PGPUB | 20030410 |  | XY selectable lead assembly  | 607/122   |                                       | Kroll, Mark W.               |
| US<br>20030050088<br>A1 | US-<br>PGPUB | 20030313 |  | Self defense cell phone with projectiles   | 455/550.1 |                                       | Kroll, Chase R. et al.       |
| US<br>20030045910<br>A1 | US-<br>PGPUB | 20030306 |  | Pacing mode to reduce effects of orthostatic hypotension and syncope   | 607/23    |                                       | Sorensen, Chris et al.       |
| US<br>20030040778<br>A1 | US-<br>PGPUB | 20030227 |  | Orientation of patient's position sensor using external field  | 607/17    |                                       | Kroll, Mark W. et al.        |
| US<br>20030040776<br>A1 | US-<br>PGPUB | 20030227 |  | Detection of patient's position and activity status using 3D accelerometer-based position sensor             | 607/9     |                                       | Kroll, Mark W. et al.        |
| US<br>20030003950<br>A1 | US-<br>PGPUB | 20030102 |  | Self defense cellular telephone  | 455/557   |                                       | Kroll, Chase R. et al.       |
| US<br>20020157165<br>A1 | US-<br>PGPUB | 20021031 |  | Light selective sports garments  | 2/69      | 2/102;<br>2/227;<br>2/410;<br>2/DIG.3 | Kroll, Mark W. et al.        |
| US                      | US-          | 20021024 |  | Disposable defibrillator   | 607/5     |                                       | Kroll, Mark                  |

|                         |              |          |  |  |         |   |                                    |
|-------------------------|--------------|----------|--|--|---------|---|------------------------------------|
| 20020156506<br>A1       | PGPUB        |          |  |  |         |   | W. et al.                          |
| US<br>20020153416<br>A1 | US-<br>PGPUB | 20021024 |  | Magnetic card swipe<br>signature security<br>system  | 235/380 |   | Kroll, Mark<br>W.                  |
| US<br>20020120318<br>A1 | US-<br>PGPUB | 20020829 |  | His bundle sensing<br>device and associated<br>method  | 607/149 |   | Kroll, Mark<br>W. et al.           |
| US<br>20020106059<br>A1 | US-<br>PGPUB | 20020808 |  | Public service<br>answering point with<br>automatic triage<br>capability   | 379/45  |   | Kroll, Mark<br>W. et al.           |
| US<br>20020077676<br>A1 | US-<br>PGPUB | 20020620 |  | Implantable device and<br>method for the electrical<br>treatment of cancer   | 607/75  | 607/2   | Schroeppel,<br>Edward A.<br>et al. |
| US<br>20020033023<br>A1 | US-<br>PGPUB | 20020321 |  | Nitrogen-based<br>refrigerator crisper   | 62/78   |   | Kroll, Mark<br>W. et al.           |
| US<br>20020002389<br>A1 | US-<br>PGPUB | 20020103 |  | Cardiac stimulation<br>devices and methods for<br>measuring impedances<br>associated with the left<br>side of the heart  | 607/8   |   | Bradley,<br>Kerry et al.           |
| US<br>20010049543<br>A1 | US-<br>PGPUB | 20011206 |  | Method and apparatus<br>for biventricular<br>stimulation and capture<br>monitoring   | 607/28  |   | Kroll, Mark<br>W.                  |
| US<br>20010044645<br>A1 | US-<br>PGPUB | 20011122 |  | Temporary atrial<br>cardioversion catheter   | 607/122 | 604/532   | Hofstad,<br>Michael L.<br>et al.   |
| US<br>20010031992<br>A1 | US-<br>PGPUB | 20011018 |  | System and method of<br>generating a high<br>efficiency biphasic<br>defibrillation waveform<br>for use in an<br>implantable<br>cardioverter/defibrillator<br>(ICD) | 607/5   |   | Fishler,<br>Matthew G.<br>et al.   |
| US<br>20010013766<br>A1 | US-<br>PGPUB | 20010816 |  | Thermal battery<br>emergency system  | 320/104 |   | Kroll, Mark<br>W. et al.           |
| US<br>20010007325<br>A1 | US-<br>PGPUB | 20010712 |  | Wind and insect<br>resistant picnic system   | 220/574 | 206/499;<br>206/813;<br>229/400;<br>229/407;<br>53/475; | Kroll, Mark<br>W. et al.           |

|                  |       |          |  |  |         |                             |                         |
|------------------|-------|----------|--|--|---------|-----------------------------|-------------------------|
|                  |       |          |  |  |         | 53/540                      |                         |
| US 7076301<br>B1 | USPAT | 20060711 |  | Implantable cardiac stimulation device that minimizes parasitic muscle stimulation and method  | 607/17  | 607/9                       | Kroll; Mark W. et al.   |
| US 7076300<br>B1 | USPAT | 20060711 |  | Implantable cardiac stimulation device and method that discriminates between and treats atrial tachycardia and atrial fibrillation                   | 607/14  | 607/5                       | Kroll; Mark W. et al.   |
| US 7076295<br>B1 | USPAT | 20060711 |  | Automatic defibrillation shock energy adjuster   | 607/7   |                             | Kroll; Mark W.          |
| US 7072712<br>B2 | USPAT | 20060704 |  | Disposable external defibrillator with hinged housing halves   | 607/5   | 607/36                      | Kroll; Mark W. et al.   |
| US 7062328<br>B1 | USPAT | 20060613 |  | System and method for providing improved specificity for automatic mode switching within an implantable medical device                               | 607/27  |                             | Levine; Paul A. et al.  |
| US 7043301<br>B1 | USPAT | 20060509 |  | Implantable cardiac stimulation system providing high output far-field pacing and method   | 607/9   | 607/17;<br>607/25;<br>607/4 | Kroll; Mark W. et al.   |
| US 7029443<br>B2 | USPAT | 20060418 |  | System and method for monitoring blood glucose levels using an implantable medical device  | 600/365 | 600/513;<br>607/22          | Kroll; Mark W.          |
| US 7024243<br>B1 | USPAT | 20060404 |  | System and methods for preventing, detecting, and terminating pacemaker mediated tachycardia in biventricular implantable cardiac stimulation device | 607/14  | 600/518                     | Bornzin; Gene A. et al. |
| US 7020521<br>B1 | USPAT | 20060328 |  | Methods and apparatus for detecting and/or monitoring heart failure  | 607/14  |                             | Brewer; James E. et al. |
| US 7016720       | USPAT | 20060321 |  | System and method for  | 600/513 | 600/365                     | Kroll; Mark             |

|                  |       |          |  |  |            |                |                           |
|------------------|-------|----------|--|--|------------|----------------|---------------------------|
| B2               |       |          |  | monitoring blood glucose levels using an implantable medical device  |            |                | W.                        |
| US 7010358<br>B1 | USPAT | 20060307 |  | Single lead system for high voltage CHF device   | 607/122    |                | Kroll; Mark W. et al.     |
| US 7010346<br>B1 | USPAT | 20060307 |  | Implantable medical device having atrial tachyarrhythmia prevention therapy                                      | 607/14     |                | Schloss; Harold C. et al. |
| US 7006867<br>B1 | USPAT | 20060228 |  | Methods and apparatus for overdrive pacing multiple atrial sites using an implantable cardiac stimulation device | 607/14     | 607/17         | Kroll; Mark W.            |
| US 7006347<br>B1 | USPAT | 20060228 |  | Low deformation electrolytic capacitor   | 361/503    | 361/508; 607/5 | Kroll; Mark W. et al.     |
| US 7003348<br>B1 | USPAT | 20060221 |  | Monitoring cardiac geometry for diagnostics and therapy  | 607/17     | 600/508        | Brewer; James E. et al.   |
| US 6997180<br>B2 | USPAT | 20060214 |  | Breathing gas therapeutic method and apparatus   | 128/202.12 | 128/205.11     | Kroll; Mark W.            |
| US 6993379<br>B1 | USPAT | 20060131 |  | System and method for emulating a surface EKG using an implantable cardiac stimulation device                    | 600/510    | 600/509        | Kroll; Mark W. et al.     |
| US 6987999<br>B1 | USPAT | 20060117 |  | Implantable defibrillator with alternating counter electrode   | 607/5      |                | Kroll; Mark W.            |
| US 6980850<br>B1 | USPAT | 20051227 |  | System and method for emulating a surface EKG using an implantable cardiac stimulation device                    | 600/509    |                | Kroll; Mark W. et al.     |
| US 6964116<br>B2 | USPAT | 20051115 |  | Ambulatory hairdryer   | 34/96      | 2/174; 34/99   | Kroll; Mollie B. et al.   |
| US 6961615<br>B2 | USPAT | 20051101 |  | System and method for evaluating risk of mortality due to congestive heart failure using physiologic             | 607/18     |                | Kroll; Mark W. et al.     |

|                  |       |          |  |  |            |   |  |                            |
|------------------|-------|----------|--|--|------------|---|--|----------------------------|
|                  |       |          |  | sensors  |            |   |  |                            |
| US 6954669<br>B1 | USPAT | 20051011 |  | System and method of generating an optimal three-step defibrillation waveform for use in an implantable cardioverter/defibrillator (ICD) | 607/5      | 607/74                                      |  | Fishler; Matthew G. et al. |
| US 6937896<br>B1 | USPAT | 20050830 |  | Sympathetic nerve stimulator and/or pacemaker  | 607/9      |   |  | Kroll; Mark W.             |
| US 6931278<br>B1 | USPAT | 20050816 |  | Implantable cardioverter defibrillator having fast action operation  | 607/5      |   |  | Kroll; Mark W. et al.      |
| US 6928321<br>B1 | USPAT | 20050809 |  | Hypnosis augmented ICD   | 607/5      |   |  | Kroll; Mark W.             |
| US 6904314<br>B1 | USPAT | 20050607 |  | Automatic defibrillation threshold tracking  | 607/7      |   |  | Brewer; James E. et al.    |
| US 6865420<br>B1 | USPAT | 20050308 |  | Cardiac stimulation device for optimizing cardiac output with myocardial ischemia protection   | 607/25     |   |  | Kroll; Mark W.             |
| US 6862475<br>B1 | USPAT | 20050301 |  | Pediatric rate varying implantable cardiac device  | 607/9      |   |  | Kroll; Mark W.             |
| US 6854844<br>B2 | USPAT | 20050215 |  | Tan-thru sunglasses  | 351/44     | 351/111                                     |  | Kroll; Mark W. et al.      |
| US 6853859<br>B1 | USPAT | 20050208 |  | Electrical cardiac output forcer   | 607/5      | 607/17;<br>607/6                            |  | Kroll; Kai et al.          |
| US 6826427<br>B1 | USPAT | 20041130 |  | Methods and devices for inhibiting battery voltage delays in an implantable cardiac device   | 607/29     | 607/5                                       |  | Fayram; Timothy A. et al.  |
| US 6820619<br>B2 | USPAT | 20041123 |  | Altitude adjustment method and apparatus   | 128/205.11 | 128/204.22;<br>128/205.27;<br>128/205.28    |  | Kroll; Mark W.             |
| US 6817520<br>B2 | USPAT | 20041116 |  | Magnetic card swipe signature security system  | 235/380    | 235/379;<br>235/383;<br>235/449;<br>235/493 |  | Kroll; Mark W.             |
| US 6813514<br>B1 | USPAT | 20041102 |  | System and method for emulating a surface EKG using an   | 600/509    |   |  | Kroll; Mark W. et al.      |



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|------------------|-------|----------|--|--|---------|--|--|-----------------------|
|                  |       |          |  | implantable cardiac stimulation device   |         |  |  |                       |
| US 6804557<br>B1 | USPAT | 20041012 |  | Battery monitoring system for an implantable medical device  | 607/29  |  |  | Kroll; Mark W         |
| US 6780181<br>B2 | USPAT | 20040824 |  | Even temperature linear lesion ablation catheter   | 606/41  | 607/101;<br>607/102                    |  | Kroll; Mark W. et al. |
| US 6775571<br>B1 | USPAT | 20040810 |  | Dynamic control of overdrive pacing based on degree of randomness within heart rate  | 607/9   |  |  | Kroll; Mark W.        |
| US 6772007<br>B1 | USPAT | 20040803 |  | System and method of generating a low-pain multi-step defibrillation waveform for use in an implantable cardioverter/defibrillator (ICD) | 607/7   | 607/5;<br>607/63                       |  | Kroll; Mark W.        |
| US 6766194<br>B1 | USPAT | 20040720 |  | Dynamic control of overdrive pacing based on degree of randomness within heart rate  | 607/9   | 607/4                                  |  | Kroll; Mark W.        |
| US 6763266<br>B1 | USPAT | 20040713 |  | System and method of generating a low-pain multi-step defibrillation waveform for use in an implantable cardioverter/defibrillator (ICD) | 607/7   | 607/5;<br>607/63;<br>607/68;<br>607/74 |  | Kroll; Mark W.        |
| US 6760625<br>B1 | USPAT | 20040706 |  | Battery monitoring system for an implantable medical device  | 607/29  |  |  | Kroll; Mark W.        |
| US 6751503<br>B1 | USPAT | 20040615 |  | Methods and systems for treating patients with congestive heart failure (CHF)  | 607/18  |  |  | Kroll; Mark W.        |
| US 6748261<br>B1 | USPAT | 20040608 |  | Implantable cardiac stimulation device for and method of monitoring progression or regression of heart disease by monitoring             | 600/510 | 600/509;<br>607/9                      |  | Kroll; Mark W. et al. |

|                  |  |       |          |                                   |  |         |   |                                    |
|------------------|--|-------|----------|-----------------------------------|--|---------|---|------------------------------------|
|                  |  |       |          | interchamber<br>conduction delays |  |         |   |                                    |
| US 6745073<br>B1 |  | USPAT | 20040601 |                                   | System and method of<br>generating a low-pain<br>multi-step defibrillation<br>waveform for use in an<br>implantable<br>cardioverter/defibrillator<br>(ICD) | 607/7   | 607/5   | Kroll; Mark<br>W.                  |
| US 6744152<br>B2 |  | USPAT | 20040601 |                                   | Implantable cardioverter<br>defibrillator with<br>switchable power source<br>and patient warning<br>system cardiac device                                  | 307/66  | 320/103;<br>607/5                                       | Kroll; Mark<br>W.                  |
| US 6738663<br>B2 |  | USPAT | 20040518 |                                   | Implantable device and<br>method for the electrical<br>treatment of cancer   | 607/2   |   | Schroeppel;<br>Edward A.<br>et al. |
| US 6714818<br>B1 |  | USPAT | 20040330 |                                   | System and method of<br>generating an optimal<br>three-step defibrillation<br>waveform for use in an<br>implantable<br>cardioverter/defibrillator<br>(ICD) | 607/5   | 607/72  | Fishler;<br>Matthew G.<br>et al.   |
| US 6694188<br>B1 |  | USPAT | 20040217 |                                   | Dynamic control of<br>overdrive pacing based<br>on degree of<br>randomness within heart<br>rate  | 607/14  |   | Kroll; Mark<br>W.                  |
| US 6687542<br>B2 |  | USPAT | 20040203 |                                   | XY selectable lead<br>assembly   | 607/9   |   | Kroll; Mark<br>W.                  |
| US 6662047<br>B2 |  | USPAT | 20031209 |                                   | Pacing mode to reduce<br>effects of orthostatic<br>hypotension and<br>syncope  | 607/18  | 607/23  | Sorensen;<br>Chris et al.          |
| US 6658292<br>B2 |  | USPAT | 20031202 |                                   | Detection of patient's<br>position and activity<br>status using 3D<br>accelerometer-based<br>position sensor   | 607/19  |   | Kroll; Mark<br>W. et al.           |
| US 6645153<br>B2 |  | USPAT | 20031111 |                                   | System and method for<br>evaluating risk of<br>mortality due to<br>congestive heart failure<br>using physiologic<br>sensors                                | 600/481 | 600/300;<br>600/301;<br>600/508;<br>600/513;<br>600/529 | Kroll; Mark<br>W. et al.           |

|                  |       |          |  |  |            |   |                                    |
|------------------|-------|----------|--|--|------------|---|------------------------------------|
| US 6628986<br>B1 | USPAT | 20030930 |  | System for predicting<br>defibrillation threshold<br>based on patient data   | 607/8      |   | Mouchawar;<br>Gabriel A. et<br>al. |
| US 6625493<br>B2 | USPAT | 20030923 |  | Orientation of patient's<br>position sensor using<br>external field  | 607/17     |   | Kroll; Mark<br>W. et al.           |
| US 6609027<br>B2 | USPAT | 20030819 |  | His Bundle sensing<br>device and associated<br>method  | 607/9      |   | Kroll; Mark<br>W. et al.           |
| US 6590534<br>B1 | USPAT | 20030708 |  | Electronic car locator   | 342/442    | 342/419;<br>342/457                               | Kroll; Mark<br>W. et al.           |
| US 6580915<br>B1 | USPAT | 20030617 |  | Aircraft internal EMI<br>detection and location  | 455/456.3  | 455/279.1;<br>455/431;<br>455/67.11;<br>455/67.13 | Kroll; Mark<br>W.                  |
| US 6580908<br>B1 | USPAT | 20030617 |  | Generic number cellular<br>telephone   | 455/435.1  | 455/404.1;<br>455/409;<br>455/551                 | Kroll; Mark<br>W. et al.           |
| US 6578499<br>B2 | USPAT | 20030617 |  | Wind and insect<br>resistant picnic system   | 108/90     |   | Kroll; Mark<br>W. et al.           |
| US 6567697<br>B1 | USPAT | 20030520 |  | External defibrillator<br>with electrical CPR<br>assist  | 607/5      |   | Kroll; Kai et<br>al.               |
| US 6561185<br>B1 | USPAT | 20030513 |  | Altitude adjustment<br>method and apparatus  | 128/202.12 | 128/205.11  | Kroll; Mark<br>W.                  |
| US 6560974<br>B2 | USPAT | 20030513 |  | Nitrogen-based<br>refrigerator crisper   | 62/78      | 62/179  | Kroll; Mark<br>W. et al.           |
| US 6560484<br>B1 | USPAT | 20030506 |  | Method and apparatus<br>for electrically forcing<br>cardiac output in an<br>arrhythmia patient                                 | 607/5      | 607/10;<br>607/4                                  | Kroll; Kai et<br>al.               |
| US 6549807<br>B1 | USPAT | 20030415 |  | Implantable cardioverter<br>defibrillator having a<br>rechargeable, fast-<br>charging battery and<br>method thereof            | 607/34     |   | Kroll; Mark<br>W.                  |
| US 6549806<br>B1 | USPAT | 20030415 |  | Implantable dual site<br>cardiac stimulation<br>device having<br>independent automatic<br>capture capability                   | 607/27     |   | Kroll; Mark<br>W.                  |
| US 6539254<br>B1 | USPAT | 20030325 |  | Implantable ventricular<br>cardioverter/defibrillator<br>employing atrial pacing<br>for preventing atrial<br>fibrillation from | 607/4      | 607/14  | Kroll; Mark<br>W.                  |

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|               |       |          |  | ventricular cardioversion and defibrillation shocks   |         |                 |                            |  |
| US 6484056 B2 | USPAT | 20021119 |  | System and method of generating a high efficiency biphasic defibrillation waveform for use in an implantable cardioverter/defibrillator (ICD)                           | 607/5   | 607/74          | Fisher; Matthew G. et al.  |  |
| US 6456876 B1 | USPAT | 20020924 |  | Dual-chamber implantable cardiac stimulation system and device with selectable arrhythmia termination electrode configurations and method                               | 607/4   | 607/63          | Kroll; Mark W.             |  |
| US 6445950 B1 | USPAT | 20020903 |  | Implantable cardioverter/defibrillator employing shock delivery timing for preventing induced fibrillation  | 607/4   |                 | Kroll; Mark W. et al.      |  |
| US 6445949 B1 | USPAT | 20020903 |  | Implantable cardioversion device with a self-adjusting threshold for therapy selection  | 607/4   | 600/518; 607/14 | Kroll; Mark W.             |  |
| US 6442426 B1 | USPAT | 20020827 |  | Implantable ventricular cardioverter-defibrillator employing atrial pacing for preventing a trial fibrillation form ventricular cardioversion and defibrillation shocks | 607/4   | 607/14          | Kroll; Mark W.             |  |
| US 6438426 B2 | USPAT | 20020820 |  | Temporary atrial cardioversion catheter   | 607/125 | 607/122; 607/5  | Hofstad; Michael L. et al. |  |
| US 6411844 B1 | USPAT | 20020625 |  | Fast recovery sensor amplifier circuit for implantable medical device   | 607/5   | 607/63          | Kroll; Mark W et al.       |  |
| US 6408206 B1 | USPAT | 20020618 |  | Disposable external defibrillator   | 607/5   |                 | Kroll; Mark W. et al.      |  |

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| US 6405922<br>B1 | USPAT | 20020618 | Keyboard signature security system  | 235/379 | 235/383  | Kroll; Mark W.               |
| US 6370234<br>B1 | USPAT | 20020409 | Public service answering point with automatic triage capability   | 379/45  | 379/265.01;<br>379/47;<br>379/49                       | Kroll; Mark W.               |
| US 6366808<br>B1 | USPAT | 20020402 | Implantable device and method for the electrical treatment of cancer  | 607/2   | 607/72   | Schroeppel; Edward A. et al. |
| US 6350168<br>B1 | USPAT | 20020226 | Light selective sport garments  | 441/111 | 2/108;<br>2/115;<br>2/67; 2/69;<br>441/106;<br>441/112 | Kroll; Mark W. et al.        |
| US 6345200<br>B1 | USPAT | 20020205 | Implant guiding programmer for implantable cardioverter defibrillator   | 607/8   | 128/923  | Mouchawar; Gabriel A. et al. |
| US 6327498<br>B1 | USPAT | 20011204 | Implantable stimulation lead for use with an ICD device having automatic capture pacing features  | 607/4   | 600/509;<br>607/116;<br>607/122;<br>607/5              | Kroll; Mark W.               |
| US 6314319<br>B1 | USPAT | 20011106 | Method and apparatus for temporarily electrically forcing cardiac output in a tachyarrhythmia patient   | 607/5   |  | Kroll; Kai et al.            |
| US 6292694<br>B1 | USPAT | 20010918 | Implantable medical device having atrial tachyarrhythmia prevention therapy   | 607/9   |  | Schloss; Harold C. et al.    |
| US 6287306<br>B1 | USPAT | 20010911 | Even temperature linear lesion ablation catheter  | 606/41  | 606/42;<br>607/101;<br>607/99                          | Kroll; Mark W. et al.        |
| US 6282444<br>B1 | USPAT | 20010828 | Implantable device with electrical infection control  | 607/3   | 607/120  | Kroll; Mark W. et al.        |
| US 6233483<br>B1 | USPAT | 20010515 | System and method for generating a high efficiency biphasic defibrillation waveform for use in an implantable cardioverter/defibrillator (ICD). | 607/5   | 607/7;<br>607/74                                       | Causey, III; James D. et al. |
| US 6219582       | USPAT | 20010417 | Temporary atrial  | 607/122 |  | Hofstad;                     |

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| B1            |       |          |  | cardioversion catheter   |            |                         | Michael L. et al.       |
| US 6208899 B1 | USPAT | 20010327 |  | Implantable cardioversion device with automatic filter control                                 | 607/9      |                         | Kroll; Mark W.          |
| US 6198249 B1 | USPAT | 20010306 |  | Thermal booster battery system   | 320/104    | 320/103                 | Kroll; Mark W. et al.   |
| US 6185457 B1 | USPAT | 20010206 |  | Method and apparatus for electrically forcing cardiac output in an arrhythmia patient          | 607/5      |                         | Kroll; Kai et al.       |
| US 6169923 B1 | USPAT | 20010102 |  | Implantable cardioverter-defibrillator with automatic arrhythmia detection criteria adjustment | 607/5      | 600/515                 | Kroll; Mark W.          |
| US 6167306 A  | USPAT | 20001226 |  | Method and apparatus for electrically forcing cardiac output in an arrhythmia patient          | 607/5      |                         | Kroll; Kai et al.       |
| US 6132426 A  | USPAT | 20001017 |  | Temperature and current limited ablation catheter  | 606/41     | 606/29; 606/34; 607/101 | Kroll; Mark W.          |
| US 6115597 A  | USPAT | 20000905 |  | Disposal emergency cellular phone  | 455/404.1  |                         | Kroll; Braden W. et al. |
| US 6112118 A  | USPAT | 20000829 |  | Implantable cardioverter defibrillator with slew rate limiting                                 | 607/5      |                         | Kroll; Mark W. et al.   |
| US 6101414 A  | USPAT | 20000808 |  | Method and apparatus for antitachycardia pacing with an optimal coupling interval              | 607/14     | 607/5                   | Kroll; Mark W.          |
| US 6093982 A  | USPAT | 20000725 |  | High voltage output array switching system   | 307/115    | 307/113; 307/125; 607/5 | Kroll; Mark W.          |
| US 6062474 A  | USPAT | 20000516 |  | ATM signature security system  | 235/382    | 235/379; 902/3; 902/5   | Kroll; Mark William     |
| US 6041255 A  | USPAT | 20000321 |  | Disposable external defibrillator  | 607/5      |                         | Kroll; Mark W.          |
| US 6007395 A  | USPAT | 19991228 |  | Sun tanning life vest  | 441/106    | 441/112                 | Kroll; Mark W.          |
| US 5988161    | USPAT | 19991123 |  | Altitude adjustment  | 128/202.12 | 128/203.25;             | Kroll; Mark             |

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| A               |       |          |  | method and apparatus  |        | 128/205.11         | W.                        |
| US 5978703<br>A | USPAT | 19991102 |  | Method and apparatus for temporarily electrically forcing cardiac output in a tachyarrhythmia patient         | 607/5  |                    | Kroll; Kai et al.         |
| US 5957956<br>A | USPAT | 19990928 |  | Implantable cardioverter defibrillator having a smaller mass  | 607/5  |                    | Kroll; Mark W. et al.     |
| US 5944746<br>A | USPAT | 19990831 |  | ICD with continuous regular testing of defibrillation lead status   | 607/27 | 607/8              | Kroll; Mark W.            |
| US 5925068<br>A | USPAT | 19990720 |  | Method for determining an ICD replacement time  | 607/29 |                    | Kroll; Mark W.            |
| US 5925066<br>A | USPAT | 19990720 |  | Atrial arrhythmia sensor with drug and electrical therapy control apparatus                                   | 607/3  | 607/14             | Kroll; Kai et al.         |
| US 5913877<br>A | USPAT | 19990622 |  | Implantable defibrillator system for generating a biphasic waveform with enhanced phase transition            | 607/5  | 607/7              | Kroll; Mark W. et al.     |
| US 5906633<br>A | USPAT | 19990525 |  | System for delivering rounded low pain therapeutic electrical waveforms to the heart                          | 607/5  | 128/908;<br>607/63 | Mouchawar; Gabriel et al. |
| US 5904705<br>A | USPAT | 19990518 |  | Automatic battery-maintaining implantable cardioverter defibrillator and method for use                       | 607/5  | 607/29             | Kroll; Mark W. et al.     |
| US 5899923<br>A | USPAT | 19990504 |  | Automatic capacitor maintenance system for an implantable cardioverter defibrillator                          | 607/5  |                    | Kroll; Mark W. et al.     |
| US 5871510<br>A | USPAT | 19990216 |  | Method and apparatus for temporarily electrically forcing cardiac output as a backup for tachycardia patients | 607/14 |                    | Kroll; Kai et al.         |
| US 5871505<br>A | USPAT | 19990216 |  | Apparatus for generating biphasic waveforms in an implantable defibrillator                                   | 607/5  |                    | Adams; Theodore P. et al. |
| US 5861006      | USPAT | 19990119 |  | System for selectively  | 607/5  |                    | Kroll; Mark               |

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| A               |       |          |  | reforming an ICD  |        |                      | W.                         |
| US 5836973<br>A | USPAT | 19981117 |  | Staged energy concentration for an implantable biomedical device  | 607/5  |                      | Kroll; Mark W.             |
| US 5833712<br>A | USPAT | 19981110 |  | Implantable defibrillator system for generating a biphasic waveform   | 607/7  | 607/5;<br>607/74     | Kroll; Mark W. et al.      |
| US 5830236<br>A | USPAT | 19981103 |  | System for delivering low pain therapeutic electrical waveforms to the heart  | 607/5  |                      | Mouchawar; Gabriel et al.  |
| US 5827326<br>A | USPAT | 19981027 |  | Implantable cardioverter defibrillator having a smaller energy storage capacity                                       | 607/5  |                      | Kroll; Mark W. et al.      |
| US 5814075<br>A | USPAT | 19980929 |  | Method and apparatus for optimizing source allocation within an implantable cardioverter-defibrillator                | 607/5  | 607/34               | Kroll; Mark W.             |
| US 5782883<br>A | USPAT | 19980721 |  | Suboptimal output device to manage cardiac tachyarrhythmias   | 607/14 |                      | Kroll; Kai et al.          |
| US 5772690<br>A | USPAT | 19980630 |  | System having a surrogate defibrillation electrode for testing implantable cardioverter-defibrillators during implant | 607/7  |                      | Kroll; Mark W.             |
| US 5772689<br>A | USPAT | 19980630 |  | Implantable cardioverter-defibrillator with apical shock delivery   | 607/4  |                      | Kroll; Mark W.             |
| US 5761019<br>A | USPAT | 19980602 |  | Medical current limiter   | 361/58 | 128/908;<br>361/93.9 | Kroll; Mark W.             |
| US 5749910<br>A | USPAT | 19980512 |  | Shield for implantable cardioverter defibrillator   | 607/36 |                      | Brumwell; Dennis A. et al. |
| US 5741307<br>A | USPAT | 19980421 |  | Method for determining an ICD replacement time  | 607/5  | 607/29               | Kroll; Mark W.             |
| US 5741303      | USPAT | 19980421 |  | Electrode back-charging   | 607/5  |                      | Kroll; Mark                |



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| A               |       |          |  | pre-treatment system for an implantable cardioverter defibrillator  |         |                               | W. et al.             |
| US 5738105<br>A | USPAT | 19980414 |  | Method and apparatus for sensing R-waves using both near field and far field sensing simultaneously                         | 600/510 | 600/374;<br>600/515;<br>607/5 | Kroll; Mark W.        |
| US 5735878<br>A | USPAT | 19980407 |  | Implantable defibrillator having multiple pathways  | 607/5   |                               | Kroll; Mark W. et al. |
| US 5735876<br>A | USPAT | 19980407 |  | Electrical cardiac output forcing method and apparatus for an atrial defibrillator  | 607/5   |                               | Kroll; Kai et al.     |
| US 5733309<br>A | USPAT | 19980331 |  | Method and apparatus for capacitive switching output for implantable cardioverter defibrillator                             | 607/5   |                               | Kroll; Mark W. et al. |
| US 5718718<br>A | USPAT | 19980217 |  | Method and apparatus for polarity reversal of consecutive defibrillation countershocks having back biasing precharge pulses | 607/5   |                               | Kroll; Mark W. et al. |
| US 5713944<br>A | USPAT | 19980203 |  | Cardioversion-defibrillation catheter lead having selectively exposable outer conductors                                    | 607/122 |                               | Kroll; Mark W.        |
| US 5709709<br>A | USPAT | 19980120 |  | ICD with rate-responsive pacing   | 607/4   | 607/122;<br>607/6;<br>607/8   | Kroll; Mark W.        |
| US 5697953<br>A | USPAT | 19971216 |  | Implantable cardioverter defibrillator having a smaller displacement volume   | 607/5   |                               | Kroll; Mark W. et al. |
| US 5690685<br>A | USPAT | 19971125 |  | Automatic battery-maintaining implantable cardioverter defibrillator and method for use                                     | 607/5   | 607/29;<br>607/34             | Kroll; Mark W. et al. |
| US 5674248<br>A | USPAT | 19971007 |  | Staged energy concentration for an implantable biomedical device  | 607/5   |                               | Kroll; Mark W. et al. |

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| US 5662696<br>A | USPAT | 19970902 | One piece disposable threshold test can electrode for use with an implantable cardioverter defibrillator system | 607/116 | 607/36;<br>607/37;<br>607/8 | Kroll; Mark W. et al.     |
| US 5662534<br>A | USPAT | 19970902 | Golf ball finding system  | 473/353 | 473/372                     | Kroll; Braden W. et al.   |
| US 5658319<br>A | USPAT | 19970819 | Implantable cardioverter defibrillator having a high voltage capacitor  | 607/7   | 607/5                       | Kroll; Mark W.            |
| US 5649974<br>A | USPAT | 19970722 | Low profile defibrillation catheter   | 607/122 | 29/825                      | Nelson; Randall S. et al. |
| US 5645573<br>A | USPAT | 19970708 | Optimal pulse defibrillator   | 607/7   |                             | Kroll; Mark W. et al.     |
| US 5645572<br>A | USPAT | 19970708 | Implantable cardioverter defibrillator with slew rate limiting  | 607/5   | 128/901;<br>607/36          | Kroll; Mark W. et al.     |
| US 5643323<br>A | USPAT | 19970701 | System and method inducing fibrillation using an implantable defibrillator                                      | 607/2   |                             | Kroll; Mark W. et al.     |
| US 5620469<br>A | USPAT | 19970415 | Stepped cardioversion system for an implantable cardioverter defibrillator                                      | 607/7   | 607/5                       | Kroll; Mark W.            |
| US 5620464<br>A | USPAT | 19970415 | System and method for delivering multiple closely spaced defibrillation pulses                                  | 607/5   |                             | Kroll; Mark W. et al.     |
| US 5607460<br>A | USPAT | 19970304 | Physician interface expert system for programming implantable arrhythmia treatment devices                      | 607/30  | 607/59                      | Kroll; Mark W. et al.     |
| US 5591210<br>A | USPAT | 19970107 | Implantable defibrillation system and method for producing only short pulse waveforms                           | 607/5   |                             | Kroll; Mark W. et al.     |
| US 5591209<br>A | USPAT | 19970107 | Implantable defibrillator system for generating an active biphasic waveform                                     | 607/5   | 607/74                      | Kroll; Mark W.            |
| US 5549933      | USPAT | 19960827 | Process for painting  | 434/84  | 106/160.1;                  | Adams;                    |

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| A               |       |          |  | snow   |         | 427/136;<br>427/137;<br>427/212;<br>427/256;<br>427/427.3;<br>427/427.4 | Theodore P.<br>et al.           |
| US 5549643<br>A | USPAT | 19960827 |  | Optimal pulse<br>defibrillator   | 607/7   |   | Kroll; Mark<br>W. et al.        |
| US 5540721<br>A | USPAT | 19960730 |  | Process and apparatus<br>for defibrillation system<br>with a small capacitor                                     | 607/5   | 607/74  | Kroll; Mark<br>W.               |
| US 5534015<br>A | USPAT | 19960709 |  | Method and apparatus<br>for generating biphasic<br>waveforms in an<br>implantable defibrillator                  | 607/7   | 607/5;<br>607/74  | Kroll; Mark<br>W. et al.        |
| US 5531782<br>A | USPAT | 19960702 |  | Implantable medical<br>electrode with reduced<br>number of conductors  | 607/122 |   | Kroll; Mark<br>W. et al.        |
| US 5531770<br>A | USPAT | 19960702 |  | Device and method for<br>determining<br>defibrillation thresholds  | 607/8   |   | Kroll; Mark<br>W. et al.        |
| US 5531766<br>A | USPAT | 19960702 |  | Implantable cardioverter<br>defibrillator pulse<br>generator kite-tail<br>electrode system                       | 607/5   | 607/36;<br>607/9  | Kroll; Mark<br>W. et al.        |
| US 5531764<br>A | USPAT | 19960702 |  | Implantable defibrillator<br>system and method<br>having successive<br>changeable<br>defibrillation<br>waveforms | 607/5   | 607/15  | Adams;<br>Theodore P.<br>et al. |
| US 5527346<br>A | USPAT | 19960618 |  | Implantable cardioverter<br>defibrillator employing<br>polymer thin film<br>capacitors                           | 607/5   |   | Kroll; Mark<br>W.               |
| US 5522853<br>A | USPAT | 19960604 |  | Method and apparatus<br>for progressive<br>recruitment of cardiac<br>fibrillation                                | 607/5   |   | Kroll; Mark<br>W.               |
| US 5514160<br>A | USPAT | 19960507 |  | Implantable defibrillator<br>for producing a<br>rectangular-shaped<br>defibrillation waveform                    | 607/5   |   | Kroll; Mark<br>W. et al.        |
| US 5507781<br>A | USPAT | 19960416 |  | Implantable defibrillator<br>system with capacitor<br>switching circuitry  | 607/7   | 607/5;<br>607/74  | Kroll; Mark<br>W. et al.        |

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| US 5458620<br>A | USPAT | 19951017 | Cardiac arrhythmia detection using interdependent multiple parameter settings                               | 607/5   | 128/925;<br>600/518          | Adams;<br>Theodore P.<br>et al.   |
| US 5454839<br>A | USPAT | 19951003 | Low profile defibrillation catheter   | 607/123 |                              | Anderson;<br>Kenneth M.<br>et al. |
| US 5449377<br>A | USPAT | 19950912 | Overcharged final countershock for an implantable cardioverter defibrillator and method                     | 607/7   |                              | Adams;<br>Theodore P.<br>et al.   |
| US 5447521<br>A | USPAT | 19950905 | Safety system for an implantable defibrillator  | 607/5   | 600/547;<br>607/37;<br>607/6 | Anderson;<br>Kenneth M.<br>et al. |
| US 5441518<br>A | USPAT | 19950815 | Implantable cardioverter defibrillator system having independently controllable electrode discharge pathway | 607/5   |                              | Adams;<br>Theodore P.<br>et al.   |
| US 5439482<br>A | USPAT | 19950808 | Prophylactic implantable cardioverter-defibrillator   | 607/5   | 607/36                       | Adams;<br>Theodore P.<br>et al.   |
| US 5431687<br>A | USPAT | 19950711 | Impedance timed defibrillation system   | 607/8   |                              | Kroll; Mark<br>W.                 |
| US 5431686<br>A | USPAT | 19950711 | Method for optimal pulse defibrillation using an implantable defibrillator                                  | 607/7   | 607/6                        | Kroll; Mark<br>W. et al.          |
| US 5411526<br>A | USPAT | 19950502 | Improved implantable defibrillator system for producing true-voltage-pulse waveforms                        | 607/5   |                              | Kroll; Mark<br>W. et al.          |
| US 5407444<br>A | USPAT | 19950418 | Staged energy concentration for a defibrillator   | 607/5   | 320/103;<br>320/166          | Kroll; Mark<br>W.                 |
| US 5405363<br>A | USPAT | 19950411 | Implantable cardioverter defibrillator having a smaller displacement volume                                 | 607/5   | 607/36                       | Kroll; Mark<br>W. et al.          |
| US 5391186<br>A | USPAT | 19950221 | Method and apparatus for utilizing short tau capacitors in an implantable cardioverter defibrillator        | 607/5   |                              | Kroll; Mark<br>W. et al.          |
| US 5391185      | USPAT | 19950221 | Atrial cardioverter with  | 607/4   |                              | Kroll; Mark                       |

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| A               |       |          |  | ventricular protection  |         |                  | W.                          |
| US 5383907<br>A | USPAT | 19950124 |  | System and method for delivering multiple closely spaced defibrillation pulses                            | 607/5   |                  | Kroll; Mark W.              |
| US 5376103<br>A | USPAT | 19941227 |  | Electrode system for implantable defibrillator  | 607/5   |                  | Anderson; Kenneth M. et al. |
| US 5366487<br>A | USPAT | 19941122 |  | Fibrillation and tachycardia detection  | 607/5   | 600/518          | Adams; Theodore P. et al.   |
| US 5366485<br>A | USPAT | 19941122 |  | Apparatus for defibrillation pretreatment of a heart  | 607/5   |                  | Kroll; Mark W. et al.       |
| US 5366484<br>A | USPAT | 19941122 |  | Short-pulse cardioversion system for an implantable cardioverter defibrillator                            | 607/5   |                  | Kroll; Mark W.              |
| US 5351687<br>A | USPAT | 19941004 |  | Method and apparatus for non-invasively determining a patient's susceptibility to ventricular arrhythmias | 600/409 |                  | Kroll; Mark W. et al.       |
| US 5342399<br>A | USPAT | 19940830 |  | Implantable defibrillator system having a small capacitance valve   | 607/5   |                  | Kroll; Mark W.              |
| US 5336245<br>A | USPAT | 19940809 |  | Storage interrogation apparatus for cardiac data  | 607/32  | 128/904          | Adams Theodore P. et al.    |
| US 5334219<br>A | USPAT | 19940802 |  | Method and apparatus for separate-capacitor cardioversion   | 607/5   |                  | Kroll; Mark W.              |
| US 5330509<br>A | USPAT | 19940719 |  | Method and apparatus for far-field tachycardia termination  | 607/14  |                  | Kroll; Mark W. et al.       |
| US 5325870<br>A | USPAT | 19940705 |  | Multiplexed defibrillation electrode apparatus  | 607/122 |                  | Kroll; Mark W. et al.       |
| US 5314448<br>A | USPAT | 19940524 |  | Process for defibrillation pretreatment of a heart  | 607/5   |                  | Kroll; Mark W. et al.       |
| US 5312443<br>A | USPAT | 19940517 |  | Arrhythmia-detection criteria process for a cardioverter/defibrillator                                    | 607/5   | 128/925; 600/518 | Adams; Theodore P. et al.   |
| US 5306291<br>A | USPAT | 19940426 |  | Optimal energy steering for an implantable  | 607/5   |                  | Kroll; Mark W. et al.       |

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|                 |       |          |  | defibrillator  |         |                                     |                                   |
| US 5300110<br>A | USPAT | 19940405 |  | Dirk-based epicardial<br>defibrillation electrode  | 607/130 |                                     | Latterell;<br>Scott T. et<br>al.  |
| US 5265623<br>A | USPAT | 19931130 |  | Optimized field<br>defibrillation catheter   | 607/122 |                                     | Kroll; Mark<br>W. et al.          |
| US 5258906<br>A | USPAT | 19931102 |  | System for remotely<br>authorizing operation of<br>a device and for<br>automatically<br>generating an invoice<br>based on device usage | 705/2   | 379/106.02;<br>379/93.12;<br>705/34 | Kroll; Mark<br>W. et al.          |
| US 5257634<br>A | USPAT | 19931102 |  | Low impedance<br>defibrillation catheter<br>electrode  | 607/122 | 607/128                             | Kroll; Mark<br>W.                 |
| US 5241960<br>A | USPAT | 19930907 |  | Defibrillator pulse<br>generator   | 607/5   |                                     | Anderson;<br>Kenneth M.<br>et al. |
| US 5199429<br>A | USPAT | 19930406 |  | Implantable defibrillator<br>system employing<br>capacitor switching<br>networks   | 607/5   |                                     | Kroll; Mark<br>W. et al.          |
| US 5188116<br>A | USPAT | 19930223 |  | Electrocardiographic<br>method and device  | 600/509 | 600/516;<br>600/517                 | Pommrehn;<br>Mark R. et<br>al.    |
| US 5117834<br>A | USPAT | 19920602 |  | Method and apparatus<br>for non-invasively<br>determining a patients<br>susceptibility to<br>ventricular arrhythmias                   | 600/518 |                                     | Kroll; Mark<br>W. et al.          |
| US 4956877<br>A | USPAT | 19900911 |  | Optical fiber reflective<br>signal modulation<br>system  | 398/170 | 398/141;<br>398/168;<br>398/169     | Kroll; Mark<br>W. et al.          |
| US 4947859<br>A | USPAT | 19900814 |  | Bio-acoustic signal<br>sensing device  | 600/528 | 381/355;<br>381/364;<br>600/586     | Brewer;<br>James E. et<br>al.     |
| US 4890630<br>A | USPAT | 19900102 |  | Bio-electric noise<br>cancellation system  | 600/508 | 128/902;<br>128/905                 | Kroll; Mark<br>W. et al.          |
| US 4879760<br>A | USPAT | 19891107 |  | Optical fiber<br>transmissive signal<br>modulation system  | 398/168 | 340/870.29                          | Kroll; Mark<br>W. et al.          |
| US 4832608<br>A | USPAT | 19890523 |  | Electrode belt adapter   | 439/67  | 439/465;<br>600/390;<br>600/394     | Kroll; Mark<br>W.                 |
| US 4811156<br>A | USPAT | 19890307 |  | Medical current limiter  | 361/58  | 361/101;<br>600/509                 | Kroll; Mark<br>W.                 |

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| US 4775018<br>A | USPAT | 19881004 |   | Load cell assembly  | 177/134 | 177/211  | Kroll;<br>William P.<br>et al. |
| US 4769760<br>A | USPAT | 19880906 |   | Terrain biased dynamic<br>multiple threshold<br>synchronization method<br>and apparatus | 702/79  | 324/76.39;<br>324/76.44;<br>327/41;<br>340/825.2;<br>375/317;<br>375/371;<br>600/525 | Kroll; Mark<br>W. et al.       |
| US 4763660<br>A | USPAT | 19880816 |   | Flexible and disposable<br>electrode belt device  | 600/391 | 439/77;<br>600/397;<br>607/149;<br>607/152   | Kroll; Mark<br>W. et al.       |
| US 4744369<br>A | USPAT | 19880517 |   | Medical current limiting<br>circuit   | 600/509 | 128/908;<br>323/312;<br>323/908;<br>327/313;<br>361/18;<br>361/58                    | Kroll; Mark<br>W.              |
| US 4714121<br>A | USPAT | 19871222 |   | Wheel scale assembly  | 177/134 | 177/164;<br>177/255  | Kroll;<br>William P.<br>et al. |
| US 4672977<br>A | USPAT | 19870616 | 9 | Lung sound cancellation<br>method and apparatus   | 600/528 | 600/390;<br>600/586  | Kroll; Mark<br>W.              |
| US 4672976<br>A | USPAT | 19870616 |   | Heart sound sensor  | 600/528 | 381/364;<br>381/385;<br>600/586  | Kroll; Mark<br>W.              |